APPENDIX

VII

TABLE 16

	Gas on Gas	Air on Air	Gas on Waste Gas	Air on Waste Gas
Calories available for gas checker 2035X0.3619=			736	
Calories available for air checker				1299
Percentages for air and gas:			79 91	
1299-f-1114 =				116.61
Correction to make sum			1.41	2.07
Corrected values			81.32	118.68
Reducing to 100% basis			40.66	59.34
Calories per cubic meter of gas			374	
1114X0.5934=				661
Calories required by	279	492		
Volumes of gas, air supply and products of combustion: Gas at 0° 760 mm	5 $m^3$32			
Air at 0° 760mm		8m^3 51		
Products of combustion: 12.77X0.4066=			5m^3 19	
12.77X0.5934=				7 $m^3$58
Calories per second required: 5.32X279=	(188 cu ft)	(300 cu ft)	(181 cuft)	(270 cuft)
5.32X492=		2618		
5.32X374=			1990	
5.32X661 =				3516
Calories per cycle: 15 minute = 900	1,335,CO O		1,791 000	
20 minute = 1200 seconds	1,781,000	2,356,000	2,388,000	3,164,000
25 minute = 1500 seconds	2,226,000	3,141,000	2 985 000	4,219,000
		3,627,000		4,974,000